



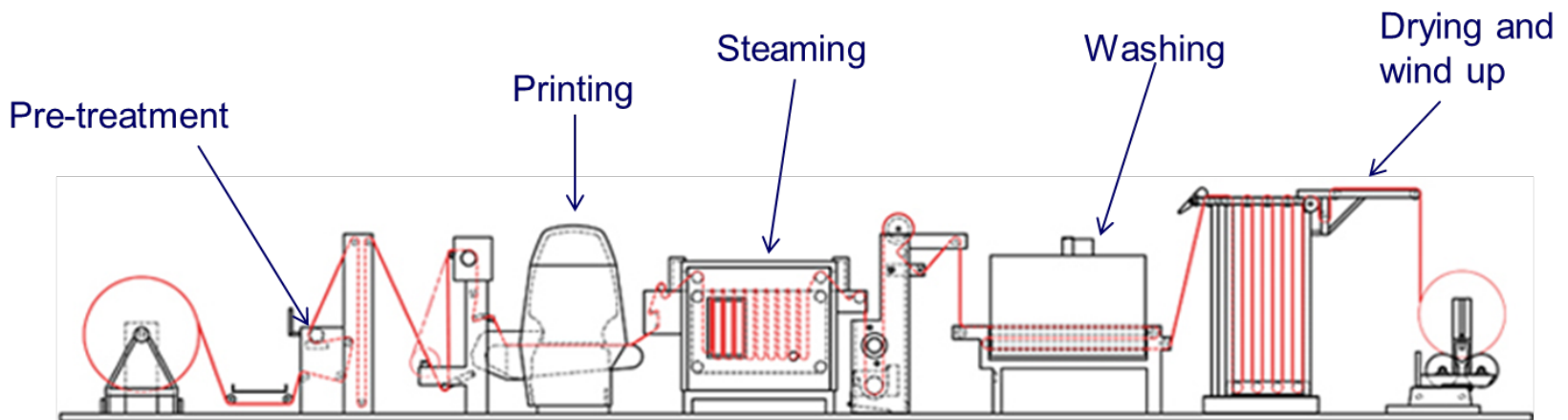
# Textile Inkjet processes explained

Sensient Inks Technologies S.A.



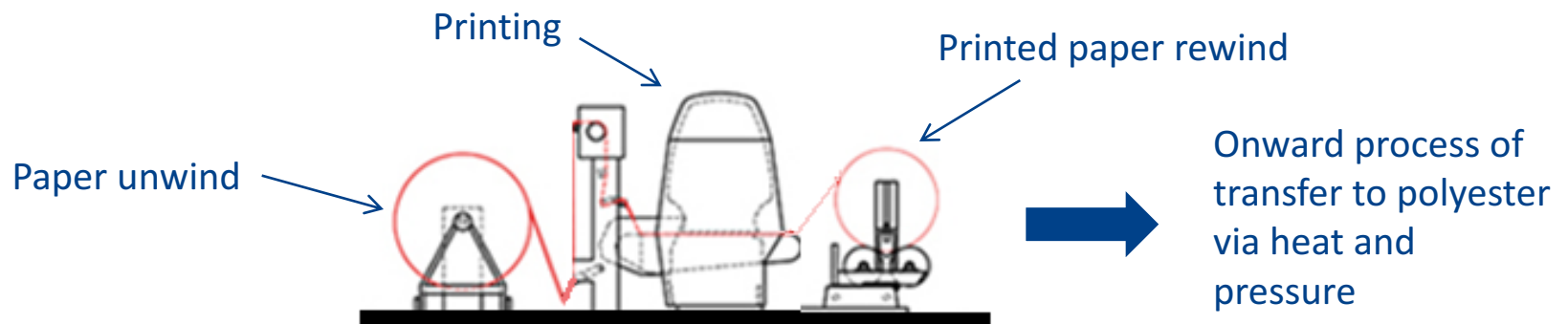
# Reactive & Acid Dye Printing

- Digital process has significant environmental, commercial and quality benefit
- Strong and sustained growth and
- Still issues to be resolved
  - Water consumption, use of chemicals, waste treatment
  - Difficult to start-up – investment, water/treatment availability



# Sublimation Printing

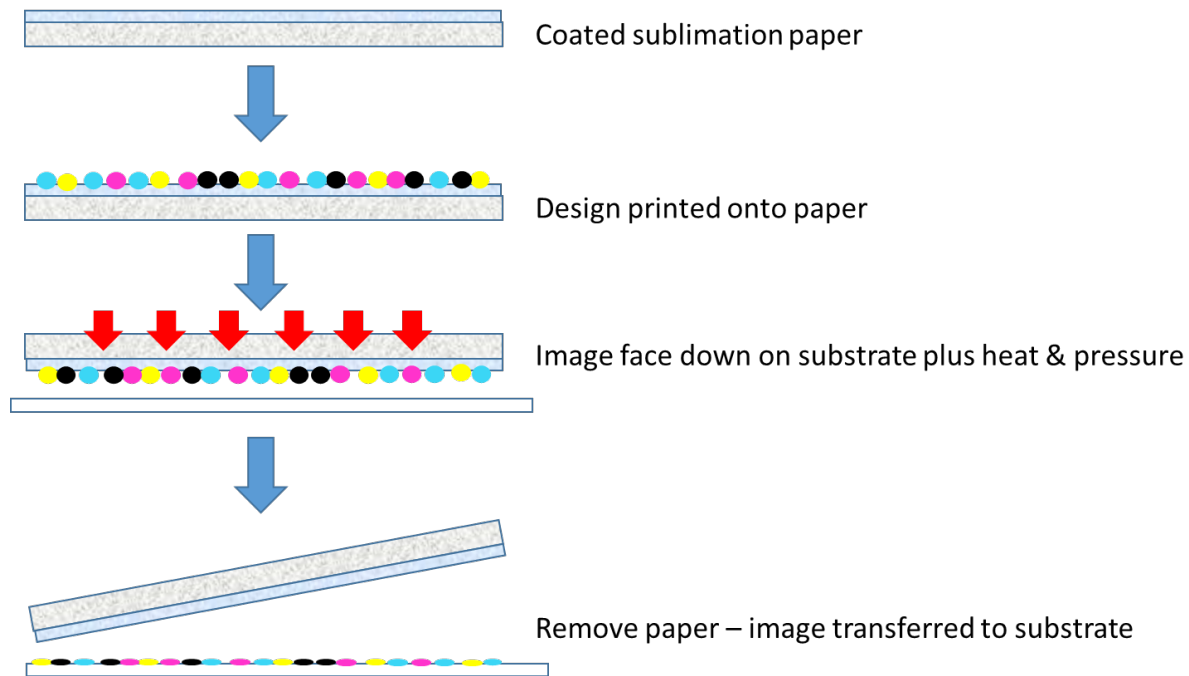
- Water free process giving environmental benefits and production control
- Most mature digital textile technology
- Additional consumable costs – paper, but lower energy and process cost
  - Water consumption zero
  - Low capital cost of start-up
    - Requires printing system and calender/heat press only



# What is sublimation printing?

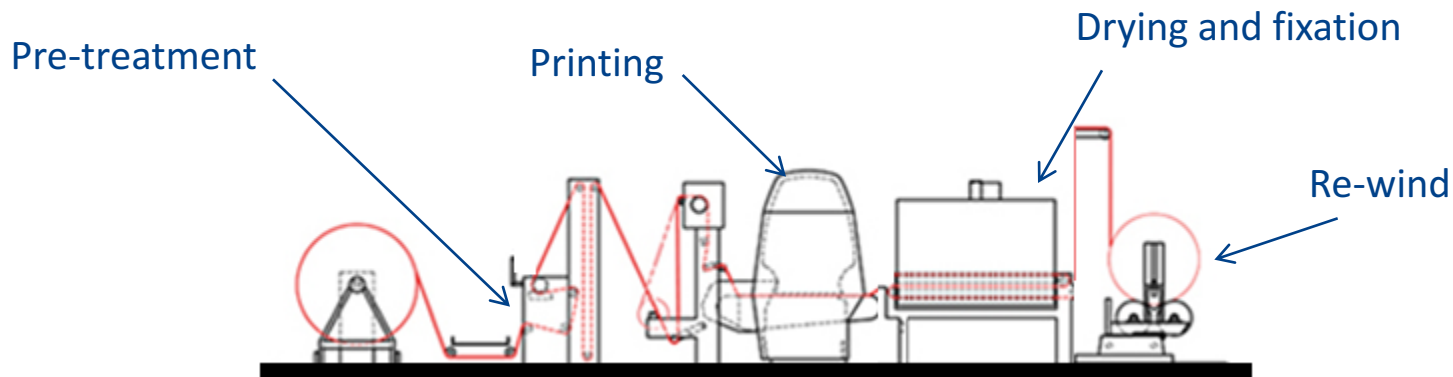
## Printing of polyester via a transfer paper

- Dry process with outstanding quality and application performance



# Pigment Printing

- Water reduced process with significant environmental benefits – no steaming/washing necessary
  - Dry heat fixation in oven/calender
  - Requires pre-treatment for optimum results
- Emerging digital textile technology
- No additional consumable costs
- Limitations on colour strength and fastness
- Potential to be single solution for multiple substrates (today not the case)





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